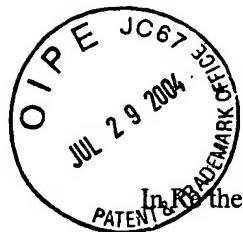


## PATENT



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of: ) Group Art Unit: 3749  
 JOHNSON et al. )  
 Serial No.: 10/622,677 ) Examiner: Rinehart, Kenneth  
 Filed: July 18, 2003 )  
 Atty. File No.: 3791-13-CON )  
 For: "LOW SULFUR COAL ADDITIVE )  
 FOR IMPROVED FURNACE )  
 OPERATION" )  
 Mail Stop Amendment  
 Commissioner for Patents  
 P.O. Box 1450  
 Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

"EXPRESS MAIL" MAILING LABEL NUMBER: EV539128443US  
 DATE OF DEPOSIT: July 29, 2004

I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING  
 DEPOSITED WITH THE UNITED STATES POSTAL SERVICE  
 "EXPRESS MAIL POST OFFICE TO ADDRESSEE" SERVICE  
 UNDER 37 C.F.R. 1.10 ON THE DATE INDICATED ABOVE AND IS  
 ADDRESSED TO THE COMMISSIONER FOR PATENTS, P.O. BOX  
 1450, ALEXANDRIA, VA 22313-1450.

TYPED OR PRINTED NAME: Kristin M. Sheek

SIGNATURE: Kristin M. Sheek

Dear Sir:

The references cited on attached Form PTO-1449 are being called to the attention of the Examiner.

- Copies of the cited non-patent and/or foreign references are enclosed herewith.
- Copies of the cited U.S. patents and/or patent applications are enclosed herewith.
- Copies of the cited U.S. patents/patent application publications are not enclosed in

accordance with the waiver dated July 11, 2003, whereby patent applications filed after June 30, 2003 and international applications that have entered the national stage under 35 U.S.C. § 371 after June 30, 2003 need not submit copies of U.S. patents and U.S. patent application publications.

- Copies of the cited references are not enclosed, in accordance with 37 C.F.R. 1.98(d),

because the references were submitted to the U.S. Patent and Trademark Office in prior application Serial No.

\_\_\_\_\_ filed \_\_\_\_\_, which is relied upon for an earlier filing date under 35 U.S.C. § 120.

To the best of applicants' belief, the pertinence of the foreign-language references are believed to be summarized in the attached English abstracts and in the figures, although applicants do not necessarily vouch for the accuracy of the translation.

Examiner's attention is drawn to the following co-pending applications, copies of which have been or are being submitted:

Serial No. \_\_\_\_\_ filed \_\_\_\_\_

Serial No. \_\_\_\_\_ filed \_\_\_\_\_

Other: \_\_\_\_\_

Submission of the above information is not intended as an admission that any item is citable under the statutes or rules to support a rejection, that any item disclosed represents analogous art, or that those skilled in the art would refer to or recognize the pertinence of any reference without the benefit of hindsight, nor should an inference be drawn as to the pertinence of the references based on the order in which they are presented. Submission of this statement should not be taken as an indication that a search has been conducted, or that no better art exists.

It is respectfully requested that the cited information be expressly considered during the prosecution of this application and the references made of record therein.

#### FEES

<input type="checkbox"/>	<p><b>37 CFR 1.97(b):</b> No fee is believed due in connection with this submission, because the information disclosure statement submitted herewith satisfies one of the following conditions ("X" indicates satisfaction):</p> <ul style="list-style-type: none"><li><input type="checkbox"/> Within three months of the filing date of a national application other than a continued prosecution application under 37 CFR 1.53(d), or</li><li><input type="checkbox"/> Within three months of the date of entry into the national stage of an international application as set forth in 37 CFR 1.491 or</li><li><input type="checkbox"/> Before the mailing date of a first Office Action on the merits, or</li><li><input type="checkbox"/> Before the mailing of a first Office action after the filing of a request for continued examination under 37 CFR 1.114.</li></ul> <p>Although no fee is believed due, if any fee is deemed due in connection with this submission, please charge such fee to Deposit Account 19-1970.</p>
<input checked="" type="checkbox"/>	<p><b>37 CFR 1.97(c):</b> The information disclosure statement transmitted herewith is being filed after all the above conditions (37 CFR 1.97(b)), but before the mailing date of one of the following conditions:</p> <ol style="list-style-type: none"><li>(1) a final action under 37 C.F.R. 1.113 or</li><li>(2) a notice of allowance under 37 C.F.R. 1.311, or</li><li>(3) an action that otherwise closes prosecution in the application.</li></ol> <p>This Information Disclosure Statement is accompanied by:</p> <ul style="list-style-type: none"><li><input type="checkbox"/> A Certification (below) as specified by 37 C.F.R. 1.97(e). Although no fee is believed due, if any fee is deemed due in connection with this submission, please charge such fee to Deposit Account 19-1970.</li></ul> <p style="text-align: center;">OR</p> <ul style="list-style-type: none"><li><input checked="" type="checkbox"/> Please charge Deposit Account 19-1970 in the amount of \$180.00 for the fee set forth in 37 C.F.R. 1.17(p) for submission of an information disclosure statement. Please credit any overpayment or charge any underpayment to Deposit Account 19-1970.</li></ul>

37 CFR 1.97(d): This Information Disclosure Statement is being submitted after the period specified in 37 CFR 1.97(c).

This information Disclosure Statement includes a Certification (below) as specified by 37 C.F.R. 1.97(e)

AND

Applicants hereby requests consideration of the reference(s) disclosed herein. Please charge Deposit Account 19-1970 in the amount of \$180.00 under 37 C.F.R. 1.17(p). Please credit any overpayment or charge any underpayment to Deposit Account 19-1970. Election to pay the fee should not be taken as an indication that applicant(s) cannot execute a certification.

**Certification (37 C.F.R. 1.97(e))**  
(Applicable only if checked)

The undersigned certifies that:

Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement. 37 C.F.R. 1.97(e)(1).  
 A copy of the communication from the foreign patent office is enclosed.

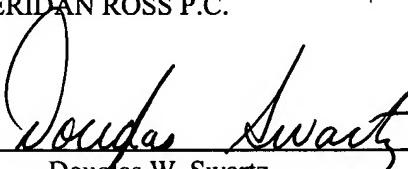
OR

No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this Information Disclosure Statement was known to any individual designated in 37 C.F.R. 1.56(c) more than three months prior to the filing of this statement. 37 C.F.R. 1.97(e)(2).

Respectfully submitted,

SHERIDAN ROSS P.C.

By:



Douglas W. Swartz

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(303) 863-9700

Date: July 29, 2004

SHEET 1 OF 2

FORM PTO-1449 <i>PATENT &amp; TRADEMARK OFFICE</i> U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 3791-13-CON	SERIAL NO. 10/622,677
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		APPLICANT JOHNSON et al.	
		FILING DATE July 18, 2003	GROUP ART 3749

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROP.
1		6,484,651	11/26/02	Shepard, Jr. et al.	110	342	
2		6,267,802	07/31/01	Baldrey	95	58	
3		6,221,001	04/24/01	Comer	588	252	
4		5,893,943	04/13/99	Durham	95	65	
5		5,855,649	06/05/99	Durham	95	71	
6		5,364,421	11/15/94	Westby	44	608	
7		5,307,743	05/03/94	Jones	102	307	
8		5,196,648	03/23/93	Jones	102	307	
9		5,052,312	10/01/91	Rackley	110	346	
10		5,022,329	06/11/91	Rackley	110	237	
11		5,001,994	03/26/91	Morimoto et al.	110	342	
12		4,831,942	05/23/89	Morimoto et al.	110	345	
13		4,598,652	07/08/86	Hepworth	110	345	
14		4,377,118	03/22/83	Sadowski	110	343	
15		4173454	11/06/79	Heins	44	1 SR	
16		4,057,398	11/08/77	Bennett	44	4	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
							YES	NO

EXAMINER	DATE CONSIDERED
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 3791-13-CON	SERIAL NO. 10/622,677
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		APPLICANT JOHNSON et al.	
		FILING DATE July 18, 2003	GROUP ART 3749

## OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

17	Declaration of Richard Schlager; September 18, 2002
18	SAGE, et al., "Relationship of Coal-Ash Viscosity to Chemical Composition," Journal of Engineering for Power, April 1960, pages 145-155;
19	"Cyclone Furnaces," Steam/its generation and use, Chapter 10, (Babcock & Wilcox) 10 pages (1972)
20	"Fuel-Ash Effects on Boiler Design and Operation," Steam/its generation and use, Chapter 15, (Babcock & Wilcox) 28 pages (1972)

EXAMINER	DATE CONSIDERED
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	